

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1-8. (Cancelled)

9. (Currently Amended) An apparatus for converting thermal energy to another energy form comprising at least one heat input and accumulator module, each heat-input and accumulator module comprising:

a device transmitting a heat-input, and

an accumulator,

the device and accumulator being connected to one another for heat exchange via
~~the exchange of a hydraulic liquid,~~

wherein the energy that can be built up as fluid pressure in the heat input and accumulator module can be converted to the other energy form by means of an energy conversion device, wherein the energy conversion device is a hydraulic motor which can be connected with a gear unit of the apparatus, wherein the device transmitting a heat input is an internal combustion engine, the internal combustion engine being connected with the gear unit of the apparatus,

wherein pressure bottles are provided for intermittent storage of pressurized hydraulic liquid, the combustion heat from the engine being essentially absorbed in the pressurized hydraulic liquid, and the pressure bottles are also provided for subsequent supply of the pressurized hydraulic liquid to the hydraulic motor for driving the hydraulic motor,

wherein the hydraulic motor is adapted to act as a hydraulic pump in a hydraulic pump mode, ~~and~~

wherein a control unit is adapted to switch the hydraulic motor into the hydraulic pump mode for storing retardation energy in the pressure bottles of the apparatus, and

wherein the connection between the internal combustion engine and the

accumulator is via a heat exchanger, thereby creating a combustion engine liquid circuit and a high pressure hydraulic liquid circuit.

10-11. (Cancelled)

12. (Withdrawn) An apparatus for converting thermal energy to another energy form comprising at least one heat input and accumulator module, each heat-input and accumulator module comprising:

a device transmitting a heat-input, and

an accumulator,

the device and accumulator being connected to one another for the exchange of fluids, wherein the energy that can be built up as fluid pressure in the heat input and accumulator module can be converted to said other energy form by means of an energy conversion device,

wherein the energy conversion device is a hydraulic lifting apparatus or a torque-storing apparatus.

13-18. (Cancelled)

19. (Withdrawn) The apparatus as claimed in claim 12, further comprising a heat exchanger connected to the energy conversion device, and wherein the heat exchanger is connected to the heat-input transmitting device via a circulation pump.

20. (Withdrawn) The apparatus as claimed in claim 19, further comprising a return chamber situated between the heat exchanger and the circulation pump.

21. (Withdrawn) The apparatus as claimed in claim 12, wherein the heat-input transmitting device is a solar collector.

22. (Cancelled)

23. (Withdrawn) The apparatus as claimed in claim 12, further comprising a hydraulic motor provided between the device transmitting a heat-input and the energy conversion device, the hydraulic motor being additionally connected to a generator for current generation, wherein on the one hand, the hydraulic motor can be used to directly drive the generator in case of an energy-input from the device transmitting a heat-input, and on the other hand, the hydraulic motor can be supplied by the energy conversion device without an energy-input from the device transmitting a heat-input.

24. (Withdrawn) The apparatus as claimed in claim 12, further comprising several devices transmitting a heat-input and accumulators, the accumulators being connected to a distribution unit, wherein the individual heat-input transmitting devices and accumulators can be intermittently connected to the energy conversion device by means of the distribution unit.

25. (Withdrawn) The apparatus as claimed in claim 12, wherein the hydraulic lifting device has a weight, guide rails, and latching elements, wherein the position in height of the weight corresponding to a storing of energy can be secured with the aid of latching elements locking-in to the guide rails.

26. (Withdrawn) The apparatus as claimed in claim 25, wherein the accumulator has a secondary store which is connected with a collecting tank, in order to supply the apparatus with fluid, in case fluid entered into the hydraulic lifting apparatus while lifting the weight.

27. (Withdrawn) The apparatus as claimed in claim 12, wherein the hydraulic lifting apparatus comprises a lifting unit, the lifting unit consisting of a threaded guide rod and a hydraulic motor.

28. (Withdrawn) An apparatus for converting thermal energy to another energy form having at least one heat input and accumulator module, each heat-input and

accumulator module comprising:

a device transmitting a heat-input, and
an accumulator,

the device and accumulator being connected to one another for the exchange of fluids, wherein the energy that can be built up as fluid pressure in the heat input and accumulator module can be converted to the other energy form, by means of an energy conversion device,

wherein the device transmitting a heat input is a hydraulic motor working as a hydraulic pump and driven by a gear unit of the apparatus.

29. (Withdrawn) The apparatus as claimed in claim 28, further comprising a plurality of accumulator modules connected to a distribution unit, wherein the individual accumulator modules can be connected intermittently to the energy conversion device by means of the distribution unit.

30. (Withdrawn) The apparatus as claimed in claim 28, further comprising a heat exchanger connected to the energy conversion device, and wherein the heat exchanger is connected to the heat-input transmitting device via a circulation pump.

31. (Withdrawn) The apparatus as claimed in claim 27, wherein the hydraulic motor is connected to a reduction gear flange.

32. (Cancelled)

33. (Currently Amended) The apparatus according to ~~claim 32~~ claim 9, wherein a first fluid directing pump is provided in the combustion engine liquid circuit between the device transmitting a heat-input and the heat exchanger and a second fluid directing pump is provided in the high pressure hydraulic liquid circuit between the heat exchanger and the accumulator.